

For Viking file

September 15, 1970

1. Could there be Martian predators which seek their prey on the basis of the infrared emission which the prey emits at night? Maintaining ambient temperature is one way to survive the Martian night.
2. Can we have some form of illumination at night by UV fluorescent paints or phosphorescent materials?
3. Particles of radius less than a millimeter can be dumped through a screen in the sampler arm onto the spacecraft body, not too distant from the two cameras and in a locale where good focussing is possible.